

AMENDMENTS

Please amend the application as follows:

In the Claims:

Amend the claims as indicated hereafter.

1. (Previously Presented) A system for controlling electronic devices based on physiological responses, comprising:

a plurality of sensors positioned adjacent to an eye of a user, said sensors configured to detect a plurality of different involuntary physiological responses of said user and to transmit, in response to detections of said physiological responses by said sensors, signals indicative of said physiological responses; and

a controller configured to receive said signals and to trigger an electronic device to perform a particular task based on whether each of said plurality of detected physiological responses occurs during a particular time period.

2. (Previously Presented) A system for controlling electronic devices based on physiological responses, comprising:

a plurality of sensors positioned adjacent to an eye of a user, said sensors configured to detect a plurality of different involuntary physiological responses of said user and to transmit, in response to detections of said physiological responses by said sensors, signals indicative of said physiological responses, each of said signals indicative of a different one of said physiological responses; and

a controller configured to receive said signals and to determine a value indicative of an excitement level of said user based on each of said signals, said controller further configured to control an electronic device based on said value.

3. (Previously Presented) The system of claim 1, wherein one of said physiological responses is a blink of an eyelid of said user.

4. (Canceled)

5. (Previously Presented) The system of claim 1, wherein said physiological responses are indicative of an excitement level of said user.

6. (Previously Presented) The system of claim 1, further comprising a contact lens coupled to one of said sensors.

7. (Original) The system of claim 1, wherein said electronic device is a camera.

8. (Previously Presented) The system of claim 6, further comprising an antenna coupled to said contact lens.

9. (Previously Presented) The system of claim 8, wherein said one sensor is configured to transmit one of said signals to said controller via said antenna.

10. (Previously Presented) A system for controlling electronic devices based on physiological responses, comprising:

a sensor positioned adjacent to an eye of a user, said sensor configured to detect a physiological response of said user and to transmit, in response to a detection of said physiological response, a signal indicative of said physiological response; and

a controller configured to receive said signal and to control an electronic device based on said signal,

wherein said sensor comprises a switch that is positioned within a path of movement of an eyelid of said user, said switch activated when said user blinks said eyelid.

11. (Original) The system of claim 10, wherein said switch is coupled to said electronic device.

12. (Previously Presented) A system for controlling electronic devices based on physiological responses, comprising:

a contact lens;

a plurality of sensors coupled to said contact lens, said sensors configured to detect a plurality of different involuntary physiological responses of a user and to transmit, in response to detections of said physiological responses, signals indicative of said physiological responses; and

a controller configured to receive said signals and to trigger an electronic device to perform a particular task based on whether each of said plurality of detected physiological responses occurs during a specified time period.

13. (Previously Presented) A system for controlling cameras based on physiological responses, comprising:

a contact lens;

a sensor coupled to said contact lens, said sensor configured to detect a physiological response of a user and to transmit, in response to a detection of said physiological response, a signal indicative of said physiological response; and

a controller configured to receive said signal and to control a camera based on said signal.

14. (Previously Presented) A system for controlling electronic devices based on physiological responses, comprising:

a contact lens;

a sensor coupled to said contact lens, said sensor configured to detect a physiological response of a user and to transmit, in response to a detection of said physiological response, a signal indicative of said physiological response; and

a controller configured to receive said signal and to control an electronic device based on said signal,

wherein said sensor comprises a switch that is positioned within a path of movement of an eyelid of said user, said switch activated when said user blinks said eyelid.

15. (Previously Presented) A method for controlling electronic devices based on physiological responses, comprising:

positioning a plurality of sensors adjacent to an eye of a user;

detecting, via said sensors, a plurality of different involuntary physiological responses of said user;

determining whether each of said different involuntary physiological responses is detected, via said detecting, within a particular time period; and

automatically triggering an electronic device to perform a particular task based on said determining.

16. (Previously Presented) A method for controlling cameras based on physiological responses, comprising:

positioning a sensor adjacent to an eye of a user;
detecting, via said sensor, a physiological response of said user; and
automatically controlling a camera based on said detecting,
wherein said sensor is coupled to a contact lens.

17. (Previously Presented) The method of claim 15, further comprising counting, via at least one of said sensors, a number of eye blinks performed by said user within a specified time period, wherein said controlling is based on said counting.

18. (Previously Presented) A method for controlling electronic devices based on physiological responses, comprising:

positioning a plurality of sensors adjacent to an eye of a user;
detecting, via said sensors, a plurality of different involuntary physiological responses of said user;
determining a value indicative of an excitement level of said user based on each of said different involuntary responses detected via said detecting; and
automatically controlling an electronic device based on said value determined in said determining.

19. (Original) The method of claim 15, wherein said electronic device is a camera.

20-22. (Canceled)

23. (Previously Presented) A system, comprising:

a camera;

a sensor configured to detect a physiological response of a user;

a contact lens coupled to said sensor; and

a controller configured to cause said camera to capture an image based on a detection of said physiological response by said sensor.

24-27. (Canceled)

28. (Previously Presented) A method, comprising:

providing a camera;

detecting a physiological response of a user of said camera; and

automatically causing said camera to capture an image based on said detecting,

wherein said detecting is performed by a sensor coupled to a contact lens.

29. (Canceled)

30. (Original) The system of claim 2, wherein said controller is configured to trigger said electronic device to perform a particular task based on a comparison of said value to a threshold.

31. (Original) The system of claim 10, wherein said switch is coupled to a contact lens and comprises a friction roller.

32-35. (Canceled)

36. (Previously Presented) A system for controlling electronic devices, comprising;
a contact lens;
a photodetector coupled to said contact lens, said photodetector configured to detect light reflected off of an eye of a user and to transmit a signal indicative of said detected light;
and

a controller configured to receive said signal and to control an electronic device, based on an amount of pupil dilation indicated by said signal.

37. (Previously Presented) The system of claim 36, wherein said electronic device is a camera.

38. (Previously Presented) The system of claim 36, further comprising a photoemitter coupled to said contact lens, said photoemitter configured to emit said light toward said eye.

39. (Previously Presented) A system for controlling electronic devices, comprising:
a contact lens;
a photodetector coupled to said contact lens, said photodetector configured to detect a blink of an eye of a user and to transmit a signal indicative of said detected blink; and
a controller configured to receive said signal and to control an electronic device based on said signal.

40. (Previously Presented) The system of claim 39, wherein said electronic device is a camera.

41. (Previously Presented) The system of claim 39, further comprising a photoemitter coupled to said contact lens, wherein said photodetector is configured to detect said blink based on said light emitted from said photoemitter.

42. (Previously Presented) A method for controlling electronic devices, comprising:
receiving light via a photodetector coupled to a contact lens;
detecting pupil dilation of a user wearing said contact lens based on said light; and
automatically controlling an electronic device based on said detecting.

43. (Previously Presented) The method of claim 42, wherein said electronic device is a camera.

44. (Previously Presented) The method of claim 42, further comprising emitting said light via a photoemitter coupled to said contact lens.

45. (Previously Presented) A method for controlling electronic devices, comprising:
receiving light via a photodetector coupled to a contact lens;
detecting a blink of an eye of a user wearing said contact lens based on said light; and
automatically controlling an electronic device based on said detecting.

46. (Previously Presented) The method of claim 45, wherein said electronic device is a camera.

47. (Previously Presented) The method of claim 45, further comprising emitting said light via a photoemitter coupled to said contact lens.